

**FOREST HEALTH PROTECTION INTERNATIONAL ACTIVITIES
ACCOMPLISHMENT REPORT FOR 2002**

**Prepared by the
Forest Health Protection International Activities Team**

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FOREST HEALTH PROTECTION INTERNATIONAL ACTIVITIES FOR 2002

Summary

During FY 2002, Forest Health Protection specialists were involved in approximately 37 activities in 14 countries. These activities included, providing technical assistance and training, cooperating in studies, gathering information on pest risk assessments, giving presentations and participating in international meetings. Funding came from a variety of sources including FHP staff units and International Activity Team (IAT) funds, Forest Service International Programs (IP), USAID, and funding from hosting countries.

The IAT had two specific focus areas in 2002. These were:

1. Cooperation and assistance to Empresa Brasileira de Pesquisa Agropecuaria (EMBRAPA) in Brazil with *Sirex noctillio*, and
2. Technical assistance and cooperation with Mexico
3. Professional development through international experience.

Sirex noctillio, an introduced wood wasp, has caused considerable damage to pine plantations in Brazil, and could potentially cause serious damage in other countries as well, including Argentina, Uruguay, and Chile. It is also considered a high risk pest for southern pines in the U.S. For the last two years, FHP has worked closely with EMBRAPA to develop a detection, monitoring and biological control program. Through FHTET, a three year cooperative agreement was developed that would lead to the technology transfer and development of this multi-faceted program. Once developed, this program could then be used as a prototype for other South American countries that are/will be dealing with *Sirex* in the future. Activities in 2000-2001 in this program included: a). providing aerial detection survey training and assistance, b). conducting a feasibility study of aerial sketchmapping, c). evaluating remote sensing and LANDSAT imagery for determining host type location, and d) assistance and review of the biological control program for *Sirex*. Funding for the *Sirex* program was through the IAT, IP, FHP and EMBRAPA.

Cooperation and assistance with Mexico addresses FHP International Activity Plan Goals 2 (that North American countries have strong pest management programs), and 4 (that technical expertise is shared worldwide). Activities with Mexico included a) providing assistance to Sierra Fria Resource area on forest management; b) participating in a cooperative study for protecting pine seed crops; and c) attending meetings to discuss exclusionary pests. Funding for these activities was primarily from IAT, IP, and FHP.

A number of activities were continued in Russia, including the continued cooperation in trapping for Asian gypsy moth in Russian Far East ports. The USDA FS/APHIS Import Wood Risk Assessment Team focused on Assessments of pests in Eucalyptus and Radiata pine from Australia.

The intent of the IAT was to also provide professional development through international training for FHP specialists. However, due to the forest fires and fire-borrowing that occurred during the summer of 2002, several of the projects identified for technical assistance and professional development were deferred.

Many of the participants prepared reports on their activities and these are available for further information.

The attached table summarizes the primary FHP international activities in FY2002 by country. Source of funding and participation are listed in order to show the cooperation and participation that goes to support FHP international activities. IAT = activities/travel funded all or in part by IAT; FHP = contribution of the salaries of the people involved in the activity, or costs that were covered by their staff unit.; IP = activities of travel funded all or in part by USFS International Programs; UNFAO, USAID, etc = other organizations that have contributed all or in part to the activity – often the cost of the actual project.

Additional information can be obtained either through the IAT or the regional FHP international activity coordinators listed below.

IAT – Dayle Bennett, Allan Bullard, Ken Knauer, Iral Ragenovich, Denny Ward

Regional FHP Coordinators:

WO and FHTET - Allan Bullard

R1 and R4 – Dayle Bennett

R2 – Tom Eager

R3 – Douglas Parker

R5 – John Dale

R6 – Iral Ragenovich

R8 – Bill Hoffard, Denny Ward

R10 – Ed Holsten

NA – Ken Knauer

Summary of Forest Health Protection International Activities by Country and Participant for FY2002.

COUNTRY	ACTIVITIES	TECHNICAL SPECIALIST (S)	SOURCE OF FUNDING
Australia	Participate as members of USDA FS/APHIS Import Wood Risk Assessment and Mitigation Evaluation Team on Eucalyptus Risk Assessment including scientists from APHIS, and FS Research	DeNitto (R1) Eglitis (R6) Haugen (NA) Kliejunas (R5) Tkacz (WO)	FHP
	Finalize and publish Pest Risk Assessment on Eucalyptus	Haverty Burdson (retired research) Micales	Research
	Begin preparation of risk assessment on pests of radiata pine.	Podleckis Levy	APHIS
	Attend Dwarf mistletoe meeting in Australia	Beatty (WO)	FHP
Brazil	Provide assistance to EMBRAPA for <i>Sirex noctilio</i> populations in southern Brazil.	Mason(FHTET)	FHP,IAT, IP, FHTET
	- Provide aerial survey training and assistance to 12 trainees representing EMBRAPA, private industry, and the Federal University of Panama	Ciesla (contractor) Johnson (R2)	

	<ul style="list-style-type: none"> - Provide advanced aerial sketchmap training to EMBRAPA employee in U.S. - Continue to develop host-type map for sirex using LANDSAT imagery. - Assistance and review of the biological control program for <i>Sirex</i>. 	Johnson (R2), Ellenwood(FHTET) Haugen (NA),	
Canada	Participate in cooperative agreement with Canadian Forest Service, PFC for rearing DFTM Goose Lake strain and conducting Bio-assays of TM-BioControl Continue cooperative study with Univ. of Northern B.C. and R10 on Tomentosus root disease incidence Give presentation on sustainability at a Biodiversity Monitoring meeting in British Columbia	Reardon (FHTET) Ragenovich (R6) Trummer (R10) Sheppard (R10)	FHTET,FHP FHP FHP
China	Serve on China Coordination Team Attend 2002 China/US ALB meeting Attend Forest Service/China coordination meeting in Beijing Host Chinese 6 visitors on Pest Risk Assessment Team	A. Bullard (FHTET), G. Man (IP), A. Bullard (FHTET), G. Man (IP) Beatty (WO) A. Bullard (FHTET), G. Man (IP) Beatty (WO) Man (WO) Bullard (FHTET)	FHTET, IP, FHTET, IP IP, FHP FHP

	Attend IUFRO meeting on Rusts of Forest Trees	Ragenovich (R6) Hoffman (R4)	FHP
Japan	Continue to provide assistance on land management plan to Yokoto Air Base in Japan Provide assistance to DOD on pine wilt on Okinawa	Flanagan (R6 for NA) Flanagan	FHP
Kenya & Tanzania	Coordinated USAID grant for Forest Health Monitoring Project in Eastern Arc mountains -Developed agreements with Regional Centre for Mapping Resources for Development (Nairobi, Kenya) and Sokine University of Agriculture (Morogoro, Anazania); delivered satellite data, and set up protocols for distribution of Landsat imagery for Kenya and Tanzania Provide training and technology transfer in forest health monitoring data management protocols to conclude eastern arc mountains forest health monitoring project Provided satellite imagery to African violet habitat description project in Kenya	Hertel (West Chester University) Ward (R8) Ward (R8) Dull (WO) O'Connell (NE) Rogers (INT) Douce (UGA) Dull (WO) Hertel (West Chester Univ) Mbuthia (National Museums of Kenya)	USAID, IP FHP IAT,IP
Macedonia	Provide IPM and aerial application training in support of pine processionary caterpillar outbreak	Ghent (R8)	UNFAO IAT, FHP
Mexico	Provide assistance to Sierra Fria Resource area forest management and reforestation	Smith (R6) Zensen (R6) U of NM	IP, FHP

	<p>Participate in cooperative study on developing semiochemicals for protecting pine seed crops</p> <p>Attend NAPO meeting to discuss priority exclusion pests</p> <p>Attend NAFC meeting in Mexico</p>	<p>Stein (FHTET) Gillette (PSW)</p> <p>Hofacker (WO)</p> <p>Mangold (WO) Smith (WO)</p>	<p>IP, PSW, FHTET, IAT</p> <p>FHP</p> <p>FHP</p>
Nicaragua	<p>Provide technical assistance evaluating the status of the southern pine beetle outbreak and effectiveness of the control program.</p> <p>Assist the Nicaraguan government in developing a proposal for survey and monitoring spb impact and activity with aerial survey and pheromones.</p> <p>Give presentations at National University of Nicaragua on southern pine beetle and forest management and develop a strategic plan for managing the spb</p> <p>Prepare a proposal to develop a Central American website in FHP – submitted to FAO as requested.</p>	Ward (R8)	USAID, FHP
Pacific Islands & Fiji	Provide assistance in updating website (www.spcforests.org); for Forests and Trees Support Programme of Secretariat of the Pacific Community	Ward (R8)	FHP, Pacific Islands Regional Forestry Program

	<p>Conduct evaluations of forest health in watersheds in the island countries of Tonga, Cook Islands and Western Samoa</p> <p>Conduct a 4 day workshop on maintaining and restoring forest health in watersheds on Apia and Western Samoa.</p>	<p>Ward (R8) Holcomb (R8)</p> <p>Ward (R8) Holcomb(8)</p>	
Poland/ Lithuania	<p>Continue cooperation on development of a risk rating system for <i>Ips typographus</i></p> <p>Attend IUFRO Forest Insects Dynamics Meeting in Krakow</p>	<p>Munson (R4) Negron (RMRS)</p> <p>Negron (RMRS) Munson (R4)</p>	<p>FHP, USAID RMRS</p> <p>FHP, IAT RMRS</p>
Russia	<p>Coordinate and work with APHIS on Russian Far Eastern ports Asian Gypsy Moth Project</p> <ul style="list-style-type: none"> - negotiate new agreement - extend program to include pink gypsy moth 	<p>Munson (R4) Leonard (R8)</p>	<p>FHP APHIS</p>
General	<p>Serve as member of the FHP International Activity Team</p> <p>Attend North American Forestry Commission, Forest Insect and Disease Study Group in Cuernavaca, Mexico</p> <p>Participate in North American Forest Insect Work Conference held in Whitfish MT</p>	<p>Knauer (NA), Ward(R8), Bennett(R4), Bullard (FHTET), Ragenovich(R6)</p> <p>Smith (R6) Mangold (WO)</p> <p>Various Regions</p>	<p>FHP</p> <p>FHP</p> <p>FHP</p>

	Participate in Western International Forest Disease Work Conference held in Powell River BC (Oct 2002)	Various Regions	FHP